

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING** **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/783,128A  
Source: IFW/16  
Date Processed by STIC: 1/13/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
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Revised 01/10/06



IFW16

## RAW SEQUENCE LISTING

DATE: 01/13/2006

PATENT APPLICATION: US/10/783,128A

TIME: 08:36:38

Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\01132006\J783128A.raw

3 <110> APPLICANT: Sirna Therapeutics, Inc.

5 <120> TITLE OF INVENTION: RNA Interference Mediated Treatment of Polyglutamine (PolyQ)

Repeat

6 Expansion Diseases Using Short Interfering Nucleic Acid (siNA)

8 <130> FILE REFERENCE: 04-105 (400.146)

10 <140> CURRENT APPLICATION NUMBER: US 10/783,128A

C--> 11 <141> CURRENT FILING DATE: 2004-02-20

13 <160> NUMBER OF SEQ ID NOS: 3578

15 <170> SOFTWARE: PatentIn version 3.1

17 <210> SEQ ID NO: 1

18 <211> LENGTH: 19

19 <212> TYPE: RNA

20 <213> ORGANISM: Artificial Sequence

22 <220> FEATURE:

23 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA

sense region

25 <400> SEQUENCE: 1

26 caaucaugcu ggccggcgu 19

29 <210> SEQ ID NO: 2

30 <211> LENGTH: 19

31 <212> TYPE: RNA

32 <213> ORGANISM: Artificial Sequence

34 <220> FEATURE:

35 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA

sense region

37 <400> SEQUENCE: 2

38 aaucaugcug gccggcgug 19

41 <210> SEQ ID NO: 3

42 <211> LENGTH: 19

43 <212> TYPE: RNA

44 <213> ORGANISM: Artificial Sequence

46 <220> FEATURE:

47 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA

sense region

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50 aucaugcugg ccggcgugg 19

53 <210> SEQ ID NO: 4

54 <211> LENGTH: 19

55 <212> TYPE: RNA

56 <213> ORGANISM: Artificial Sequence

58 <220> FEATURE:

59 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA

sense region

61 <400> SEQUENCE: 4

*pg 11-13*

**Does Not Comply  
Corrected Diskette Needed**

19

62 ucaugcuggc cggcguggc  
65 <210> SEQ ID NO: 5  
66 <211> LENGTH: 19  
67 <212> TYPE: RNA

## RAW SEQUENCE LISTING

DATE: 01/13/2006

PATENT APPLICATION: US/10/783,128A

TIME: 08:36:38

Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\01132006\J783128A.raw

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70 <220> FEATURE:
71 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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82 <220> FEATURE:
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86 augcuggcccg gccguggccc 19
89 <210> SEQ ID NO: 7
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91 <212> TYPE: RNA
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104 <213> ORGANISM: Artificial Sequence
106 <220> FEATURE:
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115 <212> TYPE: RNA
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118 <220> FEATURE:
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125 <210> SEQ ID NO: 10
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sense region
133 <400> SEQUENCE: 10
134 uggccggcgu gggccccgc 19
137 <210> SEQ ID NO: 11
138 <211> LENGTH: 19

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139 <212> TYPE: RNA

140 <213> ORGANISM: Artificial Sequence

## RAW SEQUENCE LISTING

DATE: 01/13/2006

PATENT APPLICATION: US/10/783,128A

TIME: 08:36:38

Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\01132006\J783128A.raw

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143 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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158 gccggcgugg ccccgccuc 19
161 <210> SEQ ID NO: 13
162 <211> LENGTH: 19
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164 <213> ORGANISM: Artificial Sequence
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175 <212> TYPE: RNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
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186 <211> LENGTH: 19
187 <212> TYPE: RNA
188 <213> ORGANISM: Artificial Sequence
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200 <213> ORGANISM: Artificial Sequence
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209 <210> SEQ ID NO: 17
210 <211> LENGTH: 19
211 <212> TYPE: RNA

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212 <213> ORGANISM: Artificial Sequence  
214 <220> FEATURE:

## RAW SEQUENCE LISTING

DATE: 01/13/2006

PATENT APPLICATION: US/10/783,128A

TIME: 08:36:38

Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\01132006\J783128A.raw

215 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
sense region

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224 <213> ORGANISM: Artificial Sequence  
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sense region

229 <400> SEQUENCE: 18  
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233 <210> SEQ ID NO: 19  
234 <211> LENGTH: 19  
235 <212> TYPE: RNA  
236 <213> ORGANISM: Artificial Sequence  
238 <220> FEATURE:  
239 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
sense region

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245 <210> SEQ ID NO: 20  
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248 <213> ORGANISM: Artificial Sequence  
250 <220> FEATURE:  
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254 caaucaugcu gccgcgcgc 19  
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258 <211> LENGTH: 19  
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260 <213> ORGANISM: Artificial Sequence  
262 <220> FEATURE:  
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sense region

265 <400> SEQUENCE: 21  
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269 <210> SEQ ID NO: 22  
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sense region

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283 <212> TYPE: RNA  
284 <213> ORGANISM: Artificial Sequence



286 <220> FEATURE:

287 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA  
sense region

## RAW SEQUENCE LISTING

DATE: 01/13/2006

PATENT APPLICATION: US/10/783,128A

TIME: 08:36:38

Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\01132006\J783128A.raw

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294 <211> LENGTH: 19
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298 <220> FEATURE:
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302 caugcuggcc ggcgcggcc 19
305 <210> SEQ ID NO: 25
306 <211> LENGTH: 19
307 <212> TYPE: RNA
308 <213> ORGANISM: Artificial Sequence
310 <220> FEATURE:
311 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
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317 <210> SEQ ID NO: 26
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319 <212> TYPE: RNA
320 <213> ORGANISM: Artificial Sequence
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323 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
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326 ugcuggccgg cgcggcccc 19
329 <210> SEQ ID NO: 27
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332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA
sense region
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338 gcuggccggc gcggccccg 19
341 <210> SEQ ID NO: 28
342 <211> LENGTH: 19
343 <212> TYPE: RNA
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
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350 cuggccggcg cggccccgc 19
353 <210> SEQ ID NO: 29
354 <211> LENGTH: 19
355 <212> TYPE: RNA
356 <213> ORGANISM: Artificial Sequence
358 <220> FEATURE:
359 <223> OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA

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sense region

361 <400> SEQUENCE: 29

10/783, 128A 11

<210> 1003  
<211> 19  
<212> RNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Target Sequence/siNA sense region

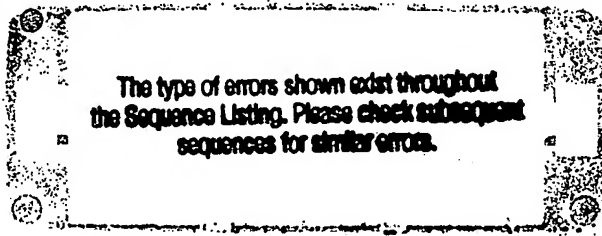
<220>  
<221> misc\_feature  
<222> (19)..(19)  
<223> n stands for thymidine

not acceptable in an RNA sequence,  
even if represented by "n"

<400> 1003  
ucagacccua auccugcan

For a combined DNA/RNA<sup>19</sup>  
sequence, use <212> DNA and explain<sup>19</sup>  
in <220>-<223>  
section

FYI



↓  
The above is a  
sample of global  
error.

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 01/13/2006  
PATENT APPLICATION:    US/10/783,128A      TIME: 08:36:39

Input Set : N:\DA\PTO.DA.txt  
Output Set: N:\CRF4\01132006\J783128A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1003; N Pos. 19  
Seq#:1004; N Pos. 18  
Seq#:1005; N Pos. 17  
Seq#:1006; N Pos. 16  
Seq#:1007; N Pos. 15  
Seq#:1008; N Pos. 14  
Seq#:1009; N Pos. 13  
Seq#:1010; N Pos. 12  
Seq#:1011; N Pos. 11  
Seq#:1012; N Pos. 10  
Seq#:1013; N Pos. 9  
Seq#:1014; N Pos. 8  
Seq#:1015; N Pos. 7  
Seq#:1016; N Pos. 6  
Seq#:1017; N Pos. 5  
Seq#:1018; N Pos. 4  
Seq#:1019; N Pos. 3  
Seq#:1020; N Pos. 2  
Seq#:1021; N Pos. 1  
Seq#:3512; N Pos. 20,21  
Seq#:3513; N Pos. 20,21  
Seq#:3514; N Pos. 20,21  
Seq#:3515; N Pos. 20,21  
Seq#:3516; N Pos. 20,21  
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Seq#:3536; N Pos. 20,21

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/783,128A

DATE: 01/13/2006  
TIME: 08:36:39

Input Set : N:\DA\PTO.DA.txt  
Output Set: N:\CRF4\01132006\J783128A.raw

Seq#:3537; N Pos. 20,21  
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Seq#:3560; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
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Seq#:3562; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
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Seq#:3565; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
Seq#:3566; N Pos. 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21  
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Seq#:3573; N Pos. 20,21  
Seq#:3574; N Pos. 20,21  
Seq#:3575; N Pos. 20,21  
Seq#:3576; N Pos. 20,21  
Seq#:3577; N Pos. 20,21

FYI

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:3562; Line(s) 44495

## VERIFICATION SUMMARY

DATE: 01/13/2006

PATENT APPLICATION: US/10/783,128A

TIME: 08:36:39

Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\01132006\J783128A.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:12056 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1003 after pos.:0  
L:12074 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1004 after pos.:0  
L:12092 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1005 after pos.:0  
L:12110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1006 after pos.:0  
L:12128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1007 after pos.:0  
L:12146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1008 after pos.:0  
L:12164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1009 after pos.:0  
L:12182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1010 after pos.:0  
L:12200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1011 after pos.:0  
L:12218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1012 after pos.:0  
L:12236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1013 after pos.:0  
L:12254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1014 after pos.:0  
L:12272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1015 after pos.:0  
L:12290 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1016 after pos.:0  
L:12308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1017 after pos.:0  
L:12326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1018 after pos.:0  
L:12344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1019 after pos.:0  
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L:12380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1021 after pos.:0  
L:42278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3512 after pos.:0  
L:42296 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3513 after pos.:0  
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L:42380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3515 after pos.:0  
L:42434 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3516 after pos.:0  
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L:42524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3519 after pos.:0  
L:42566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3520 after pos.:0  
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L:42668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3522 after pos.:0  
L:42716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3523 after pos.:0  
L:42770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3524 after pos.:0  
L:42818 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3525 after pos.:0  
L:42860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3526 after pos.:0  
L:42920 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3527 after pos.:0  
L:42962 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3528 after pos.:0  
L:43010 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3529 after pos.:0  
L:43058 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3530 after pos.:0  
L:43106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3531 after pos.:0  
L:43148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3532 after pos.:0  
L:43202 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3533 after pos.:0  
L:43238 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3534 after pos.:0  
L:43280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3535 after pos.:0  
L:43358 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3536 after pos.:0  
L:43430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3537 after pos.:0  
L:43490 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3538 after pos.:0  
L:43580 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3539 after pos.:0

## VERIFICATION SUMMARY

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Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\01132006\J783128A.raw

L:43634 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3540 after pos.:0  
L:43700 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3541 after pos.:0  
L:43772 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3542 after pos.:0  
L:43838 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3543 after pos.:0  
L:43892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3544 after pos.:0  
L:43976 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3545 after pos.:0  
L:44024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3546 after pos.:0  
L:44084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3547 after pos.:0  
L:44114 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3548 after pos.:0  
L:44144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3549 after pos.:0  
L:44174 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3550 after pos.:0  
L:44204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3551 after pos.:0  
L:44234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3552 after pos.:0  
L:44264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3553 after pos.:0  
L:44288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3554 after pos.:0  
L:44312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3555 after pos.:0  
L:44336 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3556 after pos.:0  
L:44360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3557 after pos.:0  
L:44384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3558 after pos.:0  
L:44408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3559 after pos.:0  
L:44447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3560 after pos.:0  
L:44486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3561 after pos.:0  
L:44519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3562 after pos.:0  
L:44559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3563 after pos.:0  
L:44599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3564 after pos.:0  
L:44639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3565 after pos.:0  
L:44679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3566 after pos.:0  
L:44719 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3567 after pos.:0  
L:44759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3568 after pos.:0  
L:44789 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3569 after pos.:0  
L:44821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3570 after pos.:0  
L:44870 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3571 after pos.:0  
L:44932 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3572 after pos.:0  
L:44974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3573 after pos.:0  
L:45024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3574 after pos.:0  
L:45084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3575 after pos.:0  
L:45126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3576 after pos.:0  
L:45188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3577 after pos.:0